Biodiversity Enhancement Plan

The Biodiversity Enhancement Plan has been informed by the ecological enhancement recommendations set out within the *Ecological Appraisal* prepared by Lizard Landscape Design and Ecology (LLD3042-ECO-REP-001-00-EA).

The following biodiversity enhancement measures were recommended:

- Buffer zones planted with native trees, shrubs and suitable wildflower grassland to create a gradual ecotone between woodland and the development.
- The use of seed and fruit bearing species of tree such as cherry, rowan, birch, hawthorn, and crab apple to provide a foraging resource for birds and insects.
- Creation of a small bare earth 'bee bank' to provide habitat for mining bees.
- Installation of 'bug hotels', bird, and bat boxes to surrounding mature trees.
- The use of flowering lawn in areas which require regular mowing rather than a standard amenity mix.
- Planting of new native species-rich hedging to the southern boundary of the site.

The proposed Landscape Plan incorporates the recommended landscape-led biodiversity enhancements, including native buffer planting, wildlife-beneficial tree and shrub species, a bee bank, flowering lawn and species-rich hedgerow planting.

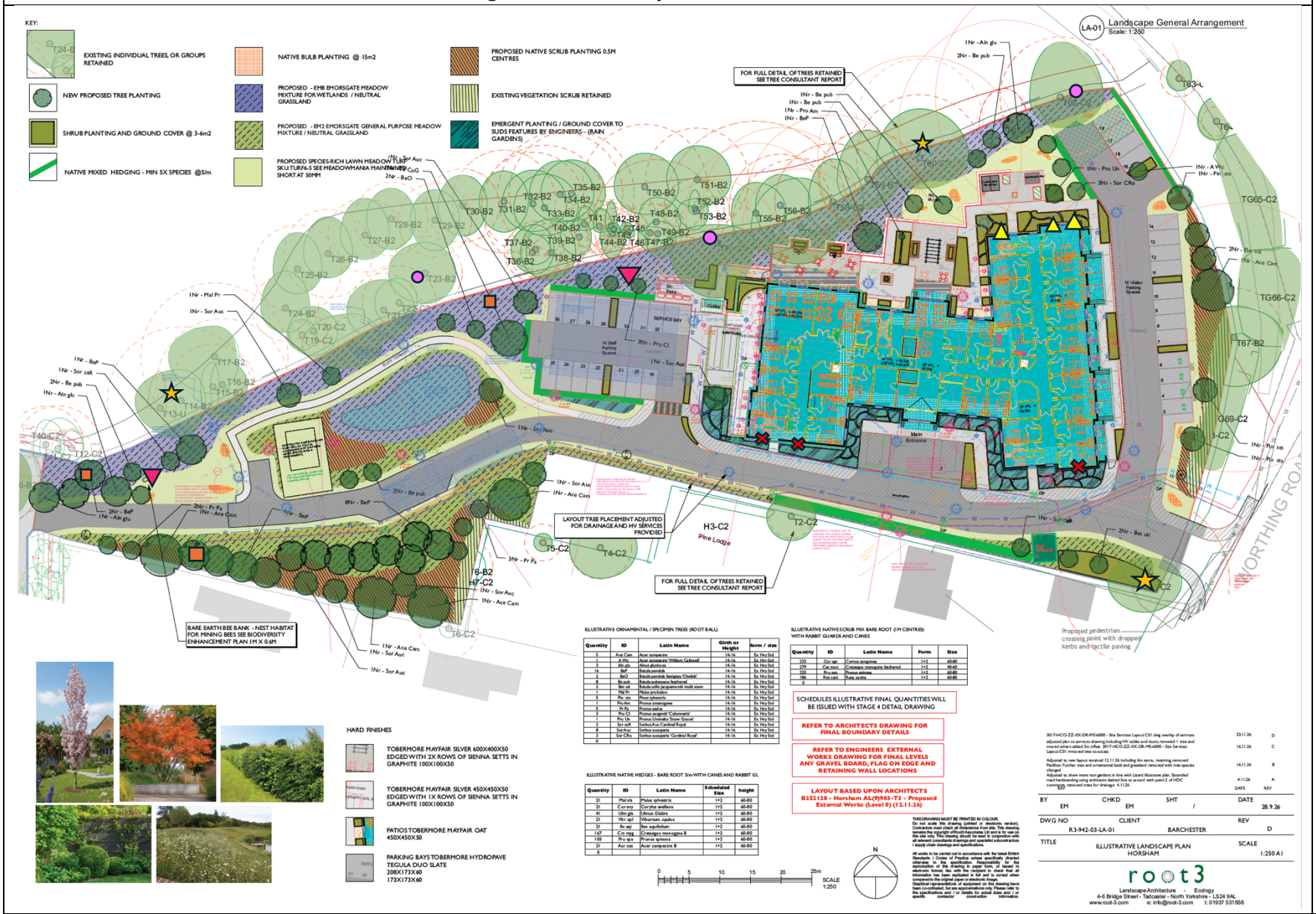
Figure 1 on Page 2 identifies the proposed locations of bird, bat and invertebrate features within the site.

It is recommended that integrated swift bricks and bat roosting features are incorporated within the proposed buildings, supplemented by externally mounted bird and bat boxes on suitable retained mature trees. Integrated features are preferred as they provide permanent nesting and roosting opportunities and are more likely to remain in place for the lifetime of the development. Suitable examples are provided below.

Collectively, these measures will increase the availability of nesting, roosting, sheltering and foraging opportunities for a range of fauna, while increasing habitat diversity and strengthening ecological connectivity within the site.

- Segovia Build-in Woodstone Bat Box
- Build-in Woodstone bat Access Panel
- Schwegler 1FE Bat Access Panel
- Vivara Pro Built-In Woodstone Swift Box – Small
- Woodstone Built-In Swift Box
- Eco Small Bird Box
- Estella House Sparrow Nest Box
- Single Crevice Bat Box (Greenwood's Ecohabitats)
- Two Crevice Bat Box (Greenwood's Ecohabitats)

Figure 1: Biodiversity Enhancement Plan



Key

- Integrated swift brick
- Integrated bat feature
- Bug hotel
- Mounted bird box
- Mounted bat box
- Bee bank

Bat boxes and integrated bat features are to be located on south or eastern elevations, 4 m or higher above ground level, with a clear flight path.

Swift bricks are to be located on north or eastern elevations, 5 m or higher above ground level, ideally tucked under eaves.